

## ABSTRACT

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A method for generating an intermediate representation of computer program code ~~written for running on a programmable machine~~ comprises: (i) generating a plurality of register objects for holding variable values ~~to be generated by the program code~~; and (ii) generating a plurality of expression objects representing fixed values and/or relationships between said fixed values and said variable values according to said program code; said objects being organized into a branched tree-like network having all register objects at the lowest basic root or tree-trunk level of the network with no register object feeding into any other register object.